



## AMENDMENTS TO THE CLAIMS

(Currently amended) A computer-implemented method for processing information on a nucleotide sequence comprising the steps of:

transmitting, under control of a first processor, request information on a provision of an object or service being suitable for an individual to a second processor via a communication network,

[[a)]] ~~obtaining~~ receiving from the second processor, via the communication network, positional information representing a position in a nucleotide sequence in accordance with corresponding to the [[a]] request information transmitted in the above transmitting step, wherein the first processor is permitted to access a first memory area storing positional information and nucleotide sequence-related information regarding an individual; for an object and/or service; and

accessing, under the control of the first processor, a second memory area storing a plurality of pieces of positional information and flag information for evaluating adequacy of transmission of nucleotide sequence-related information corresponding to the positional information, the second memory area being separate from or part of the first memory area;

searching the second memory area for flag information corresponding to at least part of the pieces of positional information that are received in the receiving step, and retrieving the respective pieces of flag information;

[[b)]] evaluating the adequacy of transmission of nucleotide sequence-related information corresponding to the positional information ~~obtained~~ received in the receiving step [[a)],] based on the retrieved flag information ~~associated with~~ corresponding to the positional information received in the receiving step ~~for~~

~~evaluating adequacy of transmission of nucleotide sequence-related information associated with the positional information representing a position in a nucleotide sequence[[.]]; and~~

retrieving, when the first processor evaluates the transmission of the nucleotide sequence-related information is adequate in the evaluating step, the nucleotide sequence-related information from the first memory area to transmit the retrieved nucleotide sequence-related information to the second processor, via the communication network, wherein the transmitted nucleotide sequence-related information corresponds to the positional information received in the receiving step.

wherein the above steps are conducted under the control of the first processor.

2. (Canceled)

3. (Currently amended) The method for processing information on a nucleotide sequence according to claim 1, wherein processing is cancelled when some of the positional information ~~obtained~~ received in the receiving step (a) correspond corresponds to the nucleotide sequence-related information that was evaluated inadequate for transmission in the evaluating step [(b)].

4-8. (Canceled)

9. (New) The method for processing information on a nucleotide sequence according to claim 1, wherein the positional information received in the receiving step is retrieved, in processing in the second processor, from a third memory area storing classification information regarding the request information on the provision of the

object or service suitable for an individual, and positional information, wherein the classification information and the positional information are stored so as to be related to each other.

10. (New) The method for processing information on a nucleotide sequence according to claim 1, wherein the flag information searched in the searching step corresponds to all of the pieces of positional information that are received in the receiving step.

11. (New) The method for processing information on a nucleotide sequence according to claim 1, wherein the flag information corresponds to a piece of positional information or a combination of a plurality of pieces of positional information.